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Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
Sheet	1	of	2	Application Number	09/887,778
				Filing Date	06/22/2001
				First Named Inventor	Carl M. Panasik, Et al.
				Group Art Unit	2681
				Examiner Name	TBD
				Attorney Docket No.	TI-32891

U. S. PATENT DOCUMENTS						
Exam. Initials*	Cite No. ¹	U. S. Patent Document		Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm- dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
A-P:	AA	6,219,540 B1		Besharat et al.	04/17/2001	
	AB					
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FOREIGN PATENT DOCUMENTS							
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		Office ³	Number ⁴				
A-P:	BA	EP 0 946 070 A3		NEC Corporation	05/07/2000		
A-P:	BB	WO 00/04649		Nokia Networks	27/01/2000		
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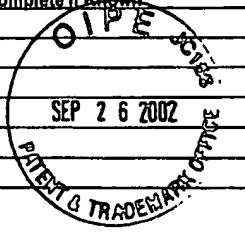
¹Unique citation designation number. ²See attached Kinds of U. S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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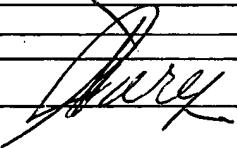
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Sheet	2	of	2		



OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam. Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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